

(PTO-1449)

SERIAL NO.
10/058,046

APPLICANT
Marianne HICKEY et al.

FILING DATE
January 29, 2002

GROUP
~~2174~~ 2655


U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						.Yes	No
BA	01/39176	5/2001	WO (w/ English Abstract)				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
	2/10/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



INFORMATION DISCLOSURE CITATION IN AN APPLICATION

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ATTY. DOCKET NO.
1509-261

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2171 2655

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
BA	5,850,455	12/1998	Arnold et al.			
BA	6,046,722	4/2000	McKiel, Jr.			
BA	5,826,064	10/1998	Loring et al.			

RECEIVED

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FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
BA	92/09921	6/1992	WO				
BA	0528743A1	2/1993	EP				
BA	0966719A2	12/1999	EP				
BA	2360681A	9/2001	GB				
BA	2000-322168	11/2000	JP				
BA	2000-322168	11/2000	JP (English Abstract)				
BA	8-76919	3/1996	JP				
BA	8-76919	3/1996	JP (English Abstract)				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BA	Sawhney, N. et al., "Nomadic Radio: Speech & Audio Interaction for Contextual Messaging in Nomadic Environments," Speech Interface Group, MIT Media Lab, E15-352, Cambridge, MA
BA	Schmandt, C., "Audio Hallway: a Virtual Acoustic Environment for Browsing," ACM 0-58113-034-1/98/11, UIST '98, San Francisco, CA

EXAMINER

DATE CONSIDERED

PATENT OFFICE 8601
MAY 13 20

SHEET 1 OF 1

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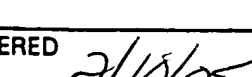
U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	Sawhney, Nitin et al., "Nomadic Radio: A Spatialized Audio Environment for Wearable Computing," Speech Interface Group, MIT Media Laboratory, Cambridge, MA, October 1997.
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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
<i>PA</i>	5,943,427	8/24/99	Massie et al	---	---		
<i>SL</i>	6,054,989	4/25/00	Robertson et al	---	---		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>PA</i>	Kobayashi, Minoru et al, "Dynamic Soundscape: mapping time to space for audio browsing," CHI 97 Electronic Publications: Papers, http://www.acm.org/sigchi/chi97/proceedings/paper/kob.htm						
<i>PA</i>	Billinghurst, M. et al, "A Wearable Spatial Conferencing Space," Human Interface Technology Laboratory, Seattle, WA and Advanced Perception Unit, Ipswich, UK						
<i>BA</i>	Goose, S. et al, "A 3D Audio Only Interactive Web Browser: Using Spatialization to Convey Hypermedia Document Structure," ACM Multimedia '99 10/99, Orlando, FL						
<i>BS</i>	Sawhney, Nitin et al, "Speaking and Listening on the Run: Design for Wearable Audio Computing," 1998 IEEE.						
<i>BA</i>	Kyriakakis, C. et al, "Signal Processing, Acoustics, and Psychoacoustics for High Quality Desktop Audio," <u>Journal of Visual Communication and Image Representation</u> , Vol. 9, No. 1, March, pp. 51-61, 1998.						
<i>BS</i>	King, Robert B. et al, "The Impact of Signal Bandwidth on Auditory Localization: Implications for the Design of Three-Dimensional Audio Displays," <u>Human Factors</u> , 1997, 39(2), 287-295.						
EXAMINER <i>[Signature]</i>				DATE CONSIDERED <i>2/14/05</i>			

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